



Patras, 19.4.2024

Ref. No.: 138889

### Invitation for Expression of Interest:

#### Research assignment on "Modeling of transport phenomena and porous materials for separation processes"

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applications for research work and services in the context of the research project "Open Innovation Test Bed for nano-enabled Membranes (INNOMEM) \_ Grant Agreement Number: 862330", which is implemented under the H2020 Research and Innovation Action.

#### Job Description

To conduct research work and provide research services under a work assignment or a fixed-term employment contract on simulation of membrane materials and separation processes in the framework of the aforementioned project "INNOMEM". The main objective of the specific part of INNOMEM is to conduct computational work for modeling services in gas and liquid separation applications taking into account flow, mass transport and sorption phenomena.

**Location:** FORTH/ICE-HT, Patras, Greece

**Duration:** up to 5 months

**Payment:** up to approximately 1.000 € per month, depending on qualifications (total cost of the employer, including social security and taxes)

**Envisaged starting date:** 1/6/2024

#### Requirements and Qualifications

- Education level: Ph.D.
- School/Department: Engineering or Natural Sciences (Interdepartmental degrees are also accepted)
- Publications in international journals and conferences/symposia proceedings on the development of computational techniques and codes for the modeling of transport phenomena (at least 15)
- Experience in research projects (at least three years)
- Candidates must have good knowledge of Greek and English (at least level B2) language

The evaluation of the candidacies will be based on the following criteria and qualifications:

| Qualifications                                                                                                                                | Weight     | Evaluation criteria                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------|
| Publications relevant to modeling of transport phenomena and porous materials, in international journals and conferences/symposia proceedings | 60         | Number of publications in journals and conferences /symposia proceedings, 3 pts/publication, max. 60 pts |
| Participation in externally funded projects                                                                                                   | 40         | Duration of participation in funded projects, 10 pts/year, max. 40 pts                                   |
| <b>TOTAL</b>                                                                                                                                  | <b>100</b> |                                                                                                          |



### Application Submission

Interested candidates, who meet the aforementioned requirements should submit their applications, no later than 29/4/2024, 16.00pm, by email to Kleanthi Zacharopoulou: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr), cc.: [vbur@iceht.forth.gr](mailto:vbur@iceht.forth.gr).

In order to be considered, the application must include:

- Application letter
- CV with clear description of the numerical codes developed by the applicant
- Scanned copies of academic titles and language knowledge certificates
- Copies of the publications in peer-reviewed journals and conferences/symposia proceedings
- Employer's certificate of the work experience and any other official document to certify the aforementioned required qualifications

**Any application received after the deadline will not be considered for the selection.**

### Selection Procedure

Applications that are received on time will be evaluated by a scientific committee using the criteria mentioned above. If necessary, certain candidates will be invited to a personal interview with the committee.

Interview Criteria:

(a) Background in the objective of the assignment (5 points). (b) Organizational and communication skills (5 points). (c) Team-spirit and self-motivation (5 points). (d) Commitment to achieving the goals (5 points)

The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".

In case of titles and qualifications awarded by foreign Higher Education Institutions, the provisions of the Law 55/2023 (article 36) and 4957/2022 (article 304) are implemented.

### Selection Announcement

The result of the selection will be announced on the website of: FORTH/ICE-HT.

Candidates have the right to appeal the selection decision, by addressing their written objection to the FORTH/ICE-HT Research Secretariat, e-mail: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr), within five (5) days after the results announcement on the web

### Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact the FORTH/ICE-HT Research Secretariat, e-mail: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr), tel.: +30 2610 965278.

For information and questions about the advertised position and the research activity of the group or the Institute, candidates are asked to contact Dr. Vasilis Burganos, e-mail: [vbur@iceht.forth.gr](mailto:vbur@iceht.forth.gr).

### General Protection Data Regulation

FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data.

FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific



call. Such data shall not be transmitted to or communicated to any third party unless required by law. FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law.

We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.

We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at [dpo@admin.forth.gr](mailto:dpo@admin.forth.gr). You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.

For FORTH/ICE-HT

Theophilos Ioannides  
Director

